

ANCHORAGE AMATEUR RADIO CLUB

March 27, 1972
VOL. I, NO. 3

BUNNY HUNT

O.K., we have another project going "one each - Bunny Hunt". This will take place on the 23rd of April. We will have a nice prize for this contest. Be sure and check the --rpt-- column for technical details.

Fred, KL7HFM, will be the Bunny. The rules are listed on the last page of this issue. The page is designed to be removed for use during the Bunny Hunt.

AMSAT

By: John Richards, KL7GHX
277-4976

Amateur Satellite to Launch in '72

An interesting article in March QST by WA2INB discloses that an amateur satellite known as AMSAT-OSCAR C has been promised a ride into space by NASA sometime this year. The satellite is a project of the Radio Amateur Satellite Corporation, popularly known as AMSAT. Complete details are not yet available, but some of the more important features are as follows:

1. The useful life of the satellite package is expected to be over a year.
2. Area of coverage will be approximately 5,000 miles in any direction from a point directly beneath the satellite.

-----continued on Page 3-----

We've done it at last - the promised interview with the Club President.

INTERVIEWED

KL7BZO-----Kenneth Koestler
Our club president received his amateur license because of a "dare". While he was working for the Alaska Railroad as a conductor, the dispatcher, Herb Tresidier, teased Ken by saying "Well, maybe you just don't have enough upstairis to get a radio license." at that Ken studied for and passed the general class test in six months. That was in 1956. In 1968 Ken upgraded his license to Advanced.
This year BZO is our Club President to his credit he has also held the offices of Activities Manager - 1960 1960 and in 1967 was Assistant Chairman for the ARRL Alaska State Convention.

Ken's other ARRL committments over the years have included SCM (Section Communications Manager) 1958-1962-1963. He became a Life member of ARRL in 1957. He presently holds the Assistant Northwest Directorship to Bob Thurston.

CW activity has earned BZO over 200 DX contacts and SSB has earned 242 DX countries. Ken won the CQ sponsored DX contest for the State of Alaska in 1963.

To meet our president, attend club meeting, he'll be there.

We promised a lady ham interview and who better than the club president's xyl.

INTERVIEWED

KL7CZU-----Edith Koestler says she got her license in self-defense. "If you can't beat 'em, join 'em.", so she joined 'em in 1959.

When asked if any unusual event occurred in relation to tests, CZU said that they went to visit Cy Klimpton who asked her "How's your code speed, Edie?" Edie replied that it was good, so Cy bated her into testing for speed. When it was over Cy said "Well, Edie, you've just passed your Novice code test." and pulled out the rest of the papers. The test had arrived and Ken hadn't let her know.

Edie has held almost all of the offices in Parkas and has served as Secretary of AARC in 1961. During the 1967 ARRL Alaska State Convention she was Secretary to the Convention Committee.

This year Edie is our Greetings Chairwoman.

LEON H. VANDENBERG

Alaska Sales & Service
1300 E. Fifth
Phone for appointment
279-9641

6 years - top in field

FROM YOUR PRESIDENT

Thanks everyone for the wonderful job you did on the Flea Market. Also Thanks to all the lovely ladies who helped with the food. *****

FROM YOUR PRESIDENT

By: Kenneth Koestler, KL7BZO
279-4803

I would like to see this club get on it's feet. In doing so, I will need the cooperation of every member new or old. One thing I would like to see is neat orderly meetings. By this I mean, when one member has the floor, every other member should refrain from interrupting; As the chair will recognize each and every one of you. Also, when you do have something to say, make sure it's for the betterment of the Club. My only interests are to make this club one you, the membership, will be able to enjoy. We have a very good year ahead of us and know your activities manager, Wilse Morgan, has a lot of interesting things in store for us. But, in order to carry them out, you, the members, will have to put forth some effort in carrying out the many things we will have to do. The Board of Directors of this club are geared up to handle anything of interest for the City of Anchorage or the State of Alaska. We, the members, would like We, the members, would like to thank KL7USA and all the FM units for all the time and effort that went into the Dog Races. I, myself, feel this year was really great.

I want all committee chairmen to keep smiling as your duties are real important in making this a go-ahead club. I want a theory class to start to help all the new and incoming people that want to become amateurs as have had lots of calls. Remember people make a club and good working people make good activities. See all of you at the meetings.

 AMSAT ----- continued

3. The orbit will be such that hams in the "lower 48" should be able to "work" the satellite about 2-1/2 hours a day. In the Anchorage area, we're more fortunate, as we should have something more like 3-1/2 to 4 hours a day worth of "openings". This is due to the fact that we're so far North, (about 60° North Latitude).
4. The satellite will receive on 2 meters, (upleg), and transmit back to earth on 10 meters, (downleg).
5. Standard station equipment can be used, a 2 meter transmitter and 10 meter receiver, using AM, CW, FM and SSB modes. Since the satellite will have only a 100 KHZ bandwidth, the narrower CW or SSB would be preferred to allow a maximum number of simultaneous QSO's.
6. Extremely high gain antenna arrays should not be necessary. Rotatable beams can be used. At this latitude, it may be found that beams should also be elevation steerable for best performance.

Amateurs wishing to receive information about membership in AMSAT should send a note and SASE (self-addressed, stamped envelope) to:

AMSAT
 P.O. Box 27
 Washington, D.C. 20044

Members of the group receive the Amsat News letter, which contains up-to-the-minute information on the Oscar satellite.

 Printed circuit FM and AM transmitters and printed circuit boards made per your drawings. ---

Bill Watson, KL7CKV
 701 W. 30th - 272-4328

CONTEST

The Anchorage Amateur Radio Club will make a \$50 cash award to the area ham who produces a QSL card and/or other proof of being first to QSO via the Amsat-Oscar C satellite. Entry fee is \$2.00 payable to the club.

THE RULES:

1. Your entry fee must be received before midnight, (Anchorage time) the night before launch day. (Launch date will probably not be announced in advance by NASA.)
2. All QSL's and/or other evidence must be submitted within 60 days after launch day.
3. The contact must be with a station outside Alaska.
4. The winner will be decided by a panel of judges who are not contentants. Their decision will be final.

Entry fees may be sent to KL7GHX, 2306 Douglas Drive, Anchorage, Alaska, 99503.

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3222 Commercial Drive
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PARKA CLUB

By: Edith Koestler, KL7CZU
 279-4803

Parka is the "Polar Amateur Radio Klub of Alaska whose members are either licensed xyl's or yl's and non-licensed members who are interested in ham radio.

The club was formed in approximately 1955. At that time we had quite a large membership and people living all over Alaska were members. As people left Alaska our membership dwindled. We had such few members that it was not feasible to handle any projects, so now we are primarily a social club, but would like new members. We have four or five social events a year and do not hold meetings in the summer.

We meet the first tuesday of every month at a member's house.

Come join us and have fun. Our next meeting will be April 4. If you wish to come as a guest you may call Edith Koestler at 279-4803 after 5:00 p.m.

* * * * *

By: Fred Wegmer A SUGGESTION
 KL7HFM

This is the time of year when most of us have begun to tire of last year's moose and salmon from our freezers. It's freezer clean out time. Let's all rid our freezers of that extra moose and Salmon, donate it to the Anchorage Amateur Radio Club for a social cook-pot. And there are already two volunteer committeemen who will apply their culinary talents to making it a success, Carol, KB7FSP/xyl and Evelyn, KL7HFM/xyl have volunteered their time and talents toward this sort of an event. If we can come up with enough moose and salmon, betcha W6PVF/KL7 can hire a hall.

A POEM

TRIBUTE TO HAM RADIO

By Liz Tvrdy

CQ, CQ, CQ, comes over the air
 CQ, CQ, CQ, "are you there?"
 The Ham sits at his station,
 His signal reaches across the nation.

He comes from all walks of life,
 Children, fathers and the wives.
 There is no age, to young or old
 Once you touch the rig, you are sold.

The friends he makes throughout
 the years
 Sharing in their laughter and their tears,
 The QSL cards received from foreign lands.
 Makes for a world-wide clasp of hands.

The Ham will aid those in distress.
 Giving help in times of duress.
 He'll labor long both day and night,
 Until disaster is set right.

The eye bank is a worthy deed
 Helping those in dire need.
 Around the world the net will work,
 Their duties they will never shirk.

CQ, CQ, CQ, you'll often hear.
 It lets you know the Ham is near.
 Although across the miles they scatter,
 To one another they really matter.

* * * * *

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279-7023

ANCHORAGE AMATEUR RADIO CLUB INFORMATION

-MEMBERSHIP-

Chair held by: Beth Clark, KL7HEJ
333-9987

RATES:

Associates ----- \$3.00/yr
Regular ----- 6.00/yr
Family (2 or more) - 8.00/yr

-ADVERTISING-

Membership: One ad of non-commercial nature, approximately four lines, straight text typing, per month included in membership fee.

Commercial:

One ad, 2"x3", per month -- \$5.00
(straight text typing)
One ad, 2"x3", 6 month duration,
\$4.00 per month.
(straight text typing)
One ad, 2"x3", 12 month duration,
\$3.00 per month.
(straight text typing)

Vinyl stencil ads available only
on yearly basis. (pictures,
fancy type style, etc.)

-MEETINGS-

A business meeting is held the first friday of each month in the Z.J. Loussac Library basement at 8:00 p.m.

The second meeting of the month is held on the third friday; location is determined in advance and the membership is notified.

-POLICY STATEMENT-

Opinions expressed in this paper do not necessarily reflect the official or unofficial opinion of the Club.

-ARTICLES FOR PAPER-

Anchorage Amateur Radio Club News
Post Office Box 1987
Anchorage, Alaska 99501

-OFFICERS-

President -----	Kenneth Koestler -----	KL7BZO
Vice-President -----	Jimmie Tvrdy -----	KL7CDG
Secretary -----	Liz Tvrdy -----	KL7CDG/xyl
Treasurer -----	Fred Healy -----	KL7AZH
Activities Manager ---	Wilse Morgan -----	W6PVF/KL7
Directors -----	Beth Clark -----	KL7HEJ
	Palmer Forsmoe -----	KL7APV
	Charles Wayer -----	KL7HG
	(KL7AA Custodian)	

FROM THE PRESIDENT

By: Kenneth Koestler, KL7BZO
 279-4803

The Anchorage Amateur Radio Club is well on its way. With lots of new members coming into the club every day.

There is lots of work to be done to keep the membership growing. Short meetings and long on activities.

As you all know, it's not easy to make a good club without the total support of each and every one of the members.

We now have the following chairmen-
 ships:

Membership:	Beth Clark, KL7HEJ
Greetings:	Edith Koestler, KL7CZU
Refreshments:	Faye Forsmoe, xyl KL7APV/xyl
TVI contact	Cliff Moller, KL7HEP
Club equipment:	Eve Moller, KL7HEP/xyl
	Palmer Forsmoe, KL7APV
FM and Repeater:	Fred Wegmer (chair) KL7HFM
	John Richards, KL7GHX
	Neil Zimmerman KL7FSF
Consitution and By-Laws:	Jim Tvrdy, KL7CDG
	Ken Koestler, KL7BZO
	Fred Wegmer, KL7HFM
	Lorraine, Gifford, WL7HFB
	Wilse Morgan, W6PVF? W6PVF/KL7

I have had lots of City fathers say that the amateurs have done a job well for the Dog Sled Races and were pleased to see them working so well with the public.

-----continued next column-----

All you committee members and Board of Directors are working real hard to make you members want to come to the meetings and back your club. Just keep smiling and keep up the good work, I know your job is not easy.

Wilse, your activities manager, is working very hard to have activities that will keep you busy and happy all year long.

I would like to see the club have a theory class and a code class for those wanting to get a license, and any amateur who wants to upgrade their license. I know quite a few people who are interested in this class.

I will teach the code if someone would volunteer for the theory part. Keep coming to club meetings and it's activities.

* * * * *
 THE RARE DX (Novice Set)

By: Larry L. Juhnke, WL7HJR
 688-2557

I'm sure I must be the rarest of all, having had the operator's license since February 10, 1972.

At the last meeting of the AARC six of this class were present; one young lady and five young men, which I can include myself being the eldest.

Activities discussed among the RARE SET was local activity on 15 meters at 21225. Normally this group, which consists of WL7HET, Marcus Olson; WL7HHO, Wayne Groomer and myself, meet at 0700 GMT on week nights depending on requirements of each family. We discuss the activity via landline first then di-dah set. We have experienced some good effects on 15 and
 -----continued on page 7-----

The Rare Set ---- continued

very little QRN and M. If other Novices are interested in participating during this QSO session they can contact WL7HJR evenings at 688-2557. The main thing that is needed by this group is a General Class operator who really enjoys sending code and would assist each RARE member by running code practice of varying speeds for copy.

Our same group is considering becoming members of the Elmendorf MARS net for novices. Anyone interested should contact Mr. Neil Zimmerman, Director of the program.

Special note must be made; Wayne Groomer, WL7HHO was the winner of the door prize, a 40 meter crystal 7.1625, valued at \$10 - happy hamming Wayne and our thanks to the CAP for the contribution.

di-di-di-dah-di-dah CU next issue.

73's de WL7HJR

TVI REPORT

By: Cliff Moller, KL7HEP

Seems as though a number of people were upset over some TVI on Channels 11 and 13 recently. Thanks to Jim Tvrdy who researched this problem and found it was on the video tape the stations were using. One question that comes to mind -- how could a W7 cause TVI in Anchorage????

We are still trying to determine how KL7HEP got into KENI radio during the broadcast of the Anchorage-Fairbanks baseball games last summer. Further tests will be conducted this summer as the baseball season gets underway. The results will be published in this paper at that time.

-----continued on page 8 -----

"SOUND CELLAR" is Team Electronics new hi-fi room featuring sounds from popular bands such as Altec, Sansui, JBL, Kenwood, Scott, Teac, Panasonic, Koss, Ampex, Dual and more. Save at Team's complete electronics center,
404 E. Fireweed.

DX

--

By: Mike Johnnie, KL7HFA

The bands have made a drastic change since the beginning of 1972. Despite what the "man" says I feel that this year will be better than last year.

As a result of the first big band opening, namely springtime drops, the band is open 24 hours a day again. All of a sudden the VK's and ZL's are back in full swing so, if you don't have any of the rare Pacific stations yet, now is the time to get 'em.

The Pacific opening has been occurring from about 0400 to 0800 and again from 1200 to 1600 for the Asians. The fairly active stations that I've been working are VK's, ZL's KH6's and the like. Quite a bit of rare stuff has been on among them, DU1KJT about 1355 z, HS's about 1322 z, 3D2 is a new prefix for Fiji and Fred, ex 5W1AM is now very active as 3D2FM. Also KB6CU has been on regularly and has been doubling as VK1AC on Canton Island. CZ1AA is on Nauru and is on about 14280 at 0500z. As far as DX-peditions so - there was one going to Wallace & Futuna as FW0AB. They were A8SO on New Calendonia as FK8CD. The QSL's for both of these stations go to VE6TP.

-----continued on page 8 -----



ANCHORAGE, ALASKA

DX -----continued-----

Over the pole has been on every night with S-9 sigs. Among goodies there are HB011, OY9LV and CN8CG - So let's hear you on the bands.

3100 MT. VIEW DRIVE Phone 277-5113
 260 SEWARD HIGHWAY 344-7711

MT. VIEW, ALASKA 99508

TVI Report ----- continued -----

WB4TAP/KL7 has gotten rid of his TVI problem and now has a 20 meter harmonic on 10 meters. Keep up the good work Frank!

Thanks to one and all for no TVI reports.

QR_?

By Peggy Wolfington, 344-3187

Everyone worked so hard at the Flea Market they had a difficult time getting out to the HOB0 Dance, but everyone that did show up had a great time.

Four YL's: "Fatty", "SKINNY", "SHAPELY", AND "NERVOUS" demonstrated their dancing abilities to the delight and enjoyment of the crowd. In full regalia; boas, feathers and leg garters they did their best.

The dance closed up early and everyone was invited to the La Hacienda. Those of us who did tag along received the enjoyable experience of watching a "HAM" in action. Activities Manager, Wilse Morgan, Ever on the job, received permission from the management for our very own "Magacian" to perform, which Jim Tvrdy did very well, even handling the kabitzers in the crowd smoothly and professionally. The big item of note was when the band leader asked CDG to become part of their show on a regular basis.

GREAT GOING THERE JIM!

HEY everyone - be sure to read the "personals".

PAY-N-PAK MARKET

2600 E. 16TH AVENUE
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U.S. Choice Meats Fresh Produce
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--rpt--

By: Fred Wegmer, KL7HFM

Anybody for a Bunny Hunt? Well, it sure can be a lot of fun, and if enough people participate, it can be profitable too (for the winner). There has been considerable discussion about loop antennas, S meters, and how in the dickens can we have a Bunny Hunt on FM? Simple.

Without exception, all FM receivers are equipped with some means of measuring the "limiter". Especially in weak signal areas, the limiter metering system makes for a good S meter indication of signal strength. It may not be calibrated in S units, but an excellent relative indication can be obtained as long as the signal is not too strong. In strong signal areas, the limiter reading will reach a certain maximum and will not increase with signal strength. There is a method of making corrections, that is to use an attenuator, or some reasonable means of cutting down on signal strength.

Traditionally, loop antennas are used for Bunny Hunts, but if one stops to think about it, the common garden variety of beam antenna works much better. With a loop, you will get an increase of signal strength when the Azimuth to the transmitter bisects the plane of the loops, so there is a fifty-fifty chance of being wrong (or right). Now take a look at the yagi or beam antenna, we all know that the strongest signal comes from the head-on direction. So now do you have an idea which antenna you would rather use for a Bunny Hunt? Of course, a twenty meter beam on a beetle would be pretty hard to handle, but we are going to use two meters, and that makes a beam pretty small, only about forty inches across the longest element.

I remember a few years ago when hidden transmitter hunts were the "in thing", one winner had a two meter quad rigged for mobile. But of course ingenuity will be required in order to rig an antenna so the operator can rotate it and handle an auto at the same time.

Now let's take a look at this limiter metering business again, for most of the FM receivers, a common multimeter will suffice, after all, don't you use the same set up when aligning it? Well, just attach a couple wires to the limiter metering points, and slip the wires out through a crack in the housing, then the wires attached to the multimeter and one has a rough S meter, but I assure you, it can work very nicely.

Now then, I've suggested how by doing some work, using your ingenuity, and trying a little harder, you can have a good direction finding indication on your existing two meter rig, so why go to all this trouble? Wouldn't it really be worth it if the grand prize was the "Bunny"? It very well can be. We will diligently try to assuage local dealers to donate items of FM gear, and we may even have to resort to an outright purchase of the equipment. If thirty persons participate at three dollars entry fee, we darn near have the Bunny paid for.

Let's give 'er a go!

73's

88's

KL7HFM 272-6650

FM COMMITTEE REPORT

When the MARS repeater becomes a thing of being, the KL7USA repeater will become its own entity operating under the joint auspices of EARS of the North and AARC. Current plans call for a pair of 9db gain station-master antennas, 80 to 100 watts output on 146.940, and at least .3 microvolts receiver sensitivity on 146.340. The CW gremlin will continue with his smooth fist. 3 minute time out and automatic logging with time checks go right along. Sounds like a swinging get up.

The rules committee, KL7FSF, KL7GHX, and WA0HVZ are researching the FCC regs and will soon publish interpretations which we all can use as a guide to improve our operating posture.

The weekend of April 1st and 2nd will be devoted to antenna modification and we can use some help, so any one who wants to devote some time and maybe learn a new method of modifying antennas, give one of the committee members a call, and he will welcome your help.

CU on 2 The Happy Fat Man

SATELLITE CHASING

By: Wilse Morgan, W6PVF/KL7
344-1257

How about our new satellite contest for you VHF people. Be sure and check John Richards', KL7GHX, column for the details. I recommend that you interested contestants subscribe to the Amsat Newsletter for all the latest details on the launch. Also our own paper by the way. The March QST ('72), Page 58, is must reading for all people interested in this project.

-----continued next column-----

New & Used stereo equipment & tapes. Misc. tools, building materials and garden supplies.

New tapes \$2.50 & \$3.00

R. A. Villard

4613 E. 8th Ave. 99504

ACTIVITIES

By: Wilse Morgan, W6PVF/KL7
344-1257

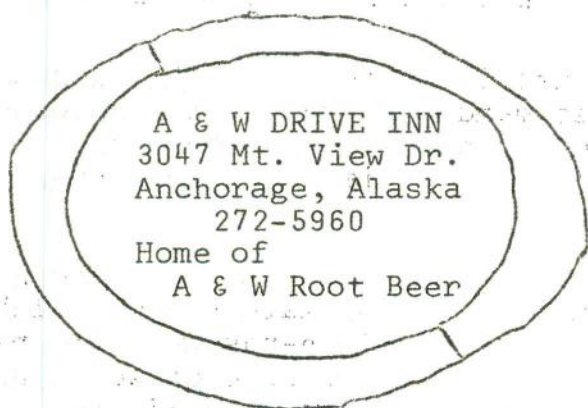
FLEA MARKET

Since we have all done our homework so well the Flea Market was a roaring success. I was worried that we would rattle around in the big hall that we had rented, however, all available space was sold out and with a good crowd we had a financial reward as well as a fraternal reward.

SOCIAL

I wish to thank all of you for the fine showing at the Smoke House on Friday, March 17. Also to the many of you that let me know you couldn't make it because of other commitments. This shows a real interest in the ham fraternity and, after all, that's what it is all about. If any of you have a favorite place you would like to see us have our social meeting, please let me know.

John, KL7GHX, will have a column in the paper each month to keep us all informed of the progress being made both by Amsat and the local hams participating in this contest. Please call John and let him know what your plans are for equipment, antenna, etc.



FOR SALE: Yaesu Musen, never used
FRDX 400, FLDX 400, split station
with speaker & desk mike \$500.00

John L. Jenkins, 333-1302
5901 E. 6th Ave Sp 210, Anch.

PERSONALS

Cliff - KL7HEP

Thanks for thirty beautiful
years. Let's try for thirty
more!

HAPPY ANNIVERSARY

Eve

For Sale - 1 - 1969 Chrysler
75 hp electric start outboard
motor - Very good condition
\$795.00

Ken Koestler, KL7BZO, 279-48030

Need a delicious pink cake? This
is it. It's been a favorite of
my guests for years.

STRAWBERRY CAKE

- 1 - white cake mix
- 3/4 cup wesson oil
- 1/2 cup water
- 1 - 10 oz pkg strawberries
(save the juice)
- 1 - small pkg strawberry Jello
- 4 - whole eggs

Mix everything together at once,
bake in two layer pans for 25-30
minutes at 350°. Cool for 10
minutes before icing.

STRAWBERRY ICING

- 1 - 10 oz. pkg strawberries
(save the juice)
- 1 - box powdered sugar
- 1/4 lb butter (1 cube)
- enough juice to spread

Mix all ingredients together until
proper spreading consistency.

You don't really do the cake justice
without the strawberry icing.



EARS

By: Fred Wegmer, KL7HFM

In September, 1971, as a preface to establishing a joint mars VHF repeater; the installation C & E of Ft. Richardson constructed an FM VHF repeater facility at Hill 400. Inorder to conduct operational and propagation tests, it was decided to operate the repeater facility on the 2 meter amateur radio band, using the call sign KL7USA.

Results have been extremely gratifying. Approximately 33 local amateur operators have take advantage of the facility and reported excellent coverage. Nearly all of the Matanuska-Susitna area is covered, and most of the Kenai area; and there are no "dead spots" in the Anchorage area. Spotty coverage is obtained in the Girdwood and Portage areas. Equipment configuration is: GE Progress Line transmitter and receiver. Transmitter output power of 60 watts is fed to a 5 element yagi at the 47 foot level on an existing tower. Receiver sensitivity of .35 microvolts is served by back-to-back 5 element yagis in a phased array at the 87 foot level of the same tower.

GE KY-5 cavities are used on both transmit and receive lines of RG-17 coaxial cable. The receiver carrier operated relay keys the transmitter through a motor-driven timer which disables the transmitter after 3 consecutive minutes of transmission.* Continuous identification is provided by a digital character generator which automatically transmits in CW the call sign KL7USA every 3 minutes.

Present plans are to activate a joint Army-Air Force Mars VHF repeater. Deadline for activation on 143.950 and 148.01 mhz is 30 April, 1972.

Such tremendous interest has been generated as a result of the exper-
-----continued next column---

imental facility, that it now becomes mandatory that similar operation be continued. There are however, a myriad of legal problems involved.

This purpose can best be served by formation of an amateur radio club based at Fort Richardson. Membership of the proposed club would be granted to interested military and civilian radio amateurs at Fort Richardson and extended to include those military and civilian radio amateurs at Elmendorf Air Force Base. Associate membership would of course, be offered to local civilian radio amateurs.

The overall purpose of the proposed club would be to provide a pool of trained and organized communicators who could be called upon in the event of a disaster.

Emergency or situation of necessity to operate the facilities of KL7USA as well as their own stations.

Immediate steps are being taken to organize and secure official sanction of this club.

At this writing, plans and details are moving speedily forward to reorganize the Eskimo Amateur Radio Society. The reorganizational meeting will be held on May 29, Wednesday evening at 1900 hours at the army Mars station, Ft. Richardson.

AARC

BUNNY HUNT RULES

FOR THE HUNTER:

JUDGES

1. Hunters must be registered with the Bunny before the hunt starts.
There is a \$3.00 registration fee. *for club members \$10.00 non-member*
2. The starting point of the hunt will be *at the direction of the Bunny.* *Railroad Depot parking lot*
3. The time will be from 1300 to 1600 on *Sept 13 1975* April 23, 1972.
4. No commercial direction finding systems or radio location devices will be used. *Judges have to approve direction finding equipment*
5. A time limit of ⁴three hours to find the Bunny is all that will be allowed.
6. Time will be the only factor in determining the winner of the hunt. *will be judges record mileage & verified by Bunny*
7. Only mobile units will be allowed to hunt, anyone getting *with product low cost* assistance from other than their own mobile unit will be disqualified.
8. A minimum of five Hunters must participate in order for the hunt to commence.
9. A Hunter will not disclose that he has found the *Bunny (Transmitter)* until the time limit of the hunt is exceeded.

FOR THE BUNNY:

1. The boundaries are from north of Rabbit Creek Road to Elmendorf AFB and from the Inlet to the Fort Richardson reservation.
2. The Bunny will transmit approximately one minute out of each five for the ~~three~~ hour period. The initial transmission will be at least three minutes long for the benefit of the Hunter.
3. At least one Hunter must be able to hear the initial transmission before the hunt will commence.
4. The Bunny will not move the transmitter *on change power which includes rotating the antennae* once the hunt begins.
5. The Bunny may use any means to confuse the Hunters.
6. The Bunny will be declared the winner of the hunt if he is not found within the ⁴three hour time limit.
7. The Bunny will not hide in a location that requires permission to enter or is not accessible to the public under normal circumstances. *and can be found with proper direction finding equipment*
8. The Bunny will remain hidden until the time limit has run out or he has been found by all the participants, whichever comes first.
9. Hunters may communicate with the Bunny, if desired, however, the Bunny need not answer the particular call immediately.
10. The Bunny will transmit and receive on 146.94 - FM.

From: Anchorage Amateur Radio Club
Post Office Box 1987
Anchorage, Alaska 99501

THIRD CLASS MAIL

TO: